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09/939,087 Examiner

Brian J. Sines

Application No.

1743

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected 1 Interference

**Appeal** o Objected

Applicant(s)

| Claim    |           | Date         |                          |               |  |                        | Claim |            | Date Date  |              |                                     |  |                            | aim  | n Date   |                 |         |  |          |          |  |          |          |
|----------|-----------|--------------|--------------------------|---------------|--|------------------------|-------|------------|------------|--------------|-------------------------------------|--|----------------------------|--|----------|-----------------|---------|--|----------|----------|--|----------|----------|
|          | Τ_        | 0            | ГΤ                       | Т             | П  | ТП                     | 7     |            | 1          | 3            |                                     | 111  | 3                          |  | =        | - 1             | 11      | - 1  | - 1      |          | 1  | -        | - 1      |
| -m       | Original  | 9            |                          | 1             |  |                        | y     | 70         | Original   | 1            | 111                                 | }  | 1                          | Final  | Original | - 1             |         |  | - 1      | - 1      |  | -        | ı        |
| Final    | jē,       | <b>3</b>     | 1 1                      | -             | ! !  | 111                    |       | Fina       | ġ,         | 35.          | .                                   | 1 1 1  | 1                          | 证  | Ӗ        |                 | 11      |  | ١        | - 1      | - 1  | - [      |          |
| "        | Ō         | M            | 11                       |               | 1 1  | 111                    | 4     |            | 0          | g)           |                                     | 111  |                            |  | اکا      |                 |         |  |          |          |  |          |          |
| <u> </u> | (1)       | <del>\</del> | ╁                        | -             | ╁┼┼  | 1 1                    | ju ž  |            | 51         |              |                                     |  | 1.5                        |  | 101      |                 |         |  | H        | П        | Т  |          | ┒        |
| ├        | 2         | V.           | +                        | +             | <del></del>                                      | +                      |       |            | 52         | N N N N      |                                     | 1  |                            |  | 102      |                 |         | 7  | П        | $\neg$   | Т  |          | П        |
| <u> </u> |           | <del>ŭ</del> | ╀                        | ┰             | $\vdash$   | ╂╾╂╌┤                  |       |            | 53         | -            |                                     |  | 12.0                       |  | 103      |                 |         |  | 7        | $\neg$   | T  | 7        | П        |
|          | 3         |              | $\vdash$                 |               | <del>                                     </del> | ╂═╂╌┨                  | 12    |            | 54         | 2            | <del>-   -   -   -</del>            | +  |                            |  | 104      |                 | 1       | Ħ  | 寸        | 7        | _  | ┪        | ヿ        |
| <u> </u> | 4         | 7            | $\vdash$                 | ᅪ             | ┪-   | <del>     </del>       |       |            | 54<br>(55) | E            |                                     | <del>   </del>                                   | - }:                       |  | 105      |                 | 1-      | $\Box$   | 7        | ┪        | _  | $\top$   | 乛        |
| Ь-       | 5         |              |                          | -             | <del>                                     </del> | ╂╼╂╼┤                  |       |            | 56         |              | <del>- - - -</del>                  | ╀  | -0.                        |  | 106      | - †             | +       |  | 7        | ℸ        | +  | +        | ٦        |
|          | 6         | y            | ₩.                       |               | ╁╾╂╴   | +                      |       |            | 57         | 19 18        | <del></del>                         | +++  | -                          | -  | 107      | $\dashv$        | +-      |  | $\dashv$ | 寸        | 7  | _        | ⊣        |
| L        | 7         | V            | 1                        | 4_            | +  | <b>↓</b> -↓-           |       |            | 57<br>58   |              |                                     | ╂═┼╌╂╼   | - (a)                      | $\vdash$   | 108      | +               | ╅       | -  | ┪        | -        | -+   | $\top$   | $\dashv$ |
| <u></u>  | 8         | <del>\</del> | $\perp$                  |               | +  | +                      |       |            | 59         | 1            | <del></del>                         | ╂╼╂╼╂╌   | -13                        | ├  | 109      | _               | +       | H  | -+       | 十        | ╅  | +        | $\dashv$ |
|          | 9         |              | $\bot$                   | _             | <b>↓</b> ↓-                                      | +                      | 5.0   |            | Ba         | Œ            | <del>-  -  -  -</del>               | +++  | - 23                       | ├  | 110      | $\vdash$        | +       | Н  | -        | ┪        | $\dashv$   | $\dashv$ | ┪        |
|          | 10        | 4            | $\sqcup$                 |               | $\perp \perp$                                    | Ш.                     | 1     |            | 60         | Ξ            |                                     | +++  | ]                          | ├—   | 111      | -               |         | Н  | $\dashv$ | ┉        | -+   | +        | -        |
|          | 11        |              | $\perp \perp$            | 1             | $\vdash$   | 4                      |       | <u> </u>   | 61         |              | <del>-   -   -  </del>              | <del>       </del>                               | 13                         | <del>  -</del>                                   | 112      | $\vdash$        | +       | Н  | $\dashv$ |          | -+   | +        | ᅱ        |
| L        | 12        | V            |                          | <u>.   . </u> | $\bot\bot$                                       | $\bot$                 |       |            | 62         | =            | <del></del>                         | +++  | 48                         | <b></b> -  | 1112     | ⊢-              | +-      | Н  |          | ᅱ        | +  | +        | -        |
|          | 18        | V.           |                          |               |  |                        |       |            | 63         | L            |                                     | +++  | -11                        | <u> </u>   | 113      | $\vdash \vdash$ | +       | $\vdash \vdash$                                  |          |          | +  | -+       | $\dashv$ |
|          | 14        | И            | $\Box$                   |               |  |                        |       | Ц.,.       | 64         | ┖            |                                     | +++  | 3. <del>**</del><br>3. **2 |  | 114      | -               | +       | $\vdash$   | $\dashv$ |          | -+   | -+       |          |
| Г        | 15        |              | П                        |               | $\Box \Box$                                      | $\perp \Gamma$         |       |            | 65         | L            |                                     | $\bot$   | _j=                        | <u> </u>   | 115      | $\vdash$        | +-      | Н  | $\sqcup$ |          | 4  | 4        | _        |
|          | 16        | U            | T                        | _ _           |  |                        | 34.   |            | 66         | Ĺ            |                                     | $\bot$   |                            | Ь_   | 116      | Н               | +       | Ш  | -1       | _        | $\dashv$   | -1       |          |
|          | 11        | V            | $\sqcap$                 |               |  |                        |       |            | 67         | $\Box$       |                                     | $\bot \bot \bot$                                 |                            | <b> </b>   | 117      | $\vdash$        | +       | Ш  | Щ        | _        | -  | $\dashv$ |          |
|          | 18        | u            | $\top$                   | 丅             | $\sqcap$   | T-1                    |       |            | 68         | Γ            |                                     |  | ¥ 1                        | $oxed{oxed}$                                     | 118      | Ш               | 4_      | Ш  | Ш        |          | _  | _        |          |
|          | 19        | ŭ            | 11                       | $\top$        | 11   | $\top$                 | 7     |            | 69         | П            |                                     |  | _](:.                      |  | 119      | Щ               |         | Ш  |          |          | $\bot$   | _        | _        |
| $\vdash$ | 20        | lŭ -         | ++                       | _ _           | † †  | ++                     |       |            | 70         |              |                                     |  | 1                          |  | 120      | Ш               |         | $\Box$   | Ш        |          |  | _ļ       | _        |
| $\vdash$ | 21        |              | † †                      | +-            | ++   | +-+-                   |       | $\Box$     | 71         | Т            |                                     |  | ].:                        |  | 121      | $\Box T$        |         |  |          |          |  | [        |          |
| -        | 122       | TV-          | ++                       |               | +  | + + -                  | leg   |            | 72         | T            |                                     | HT   |                            |  | 122      | $\sqcap$        | Т       |  |          |          |  |          |          |
| _        | (22<br>23 | lu l         | ╁╾┼                      |               | ++-  | +-+-                   | ř.    | <b>-</b> - | 73         | †            | <del>-   -   -   -  </del>          |  |                            |  | 123      | П               |         | П  |          |          |  |          |          |
| $\vdash$ | 23        | 18           | ╁┷╁                      |               | +  | +                      |       |            | 74         | ╁            |                                     | ++-  | 7.7                        | $\vdash$   | 124      |                 | 丁       | П  |          |          |  | П        |          |
| $\vdash$ | 24        | U            | ╂┈┼                      | <del></del>   | +  | +                      | 100   | ⊢          | 75         | +-           |                                     | <del>                                     </del> |                            | <b> </b>   | 125      |                 | $\top$  |  |          |          | $\neg$   | T        |          |
| _        | 25        | 10           | +                        | +             | ╌  | +                      |       | <u> </u>   | 76         | ╁╴           | <del></del>                         | <del>                                     </del> | ⊣ 🖺                        | $\vdash$   | 126      | $\vdash$        | 1       | 1  |          |          |  |          |          |
| <u> </u> | 26        | U            | +                        |               | ╂┈╂╴   | <del>-</del>           | 1.    | ├          | 77         | <b>∤</b>     | <del></del>                         | ╅═┪═   | <b>⊣</b> %:                | <del>                                     </del> | 127      | 1               | +       |  | Н        |          |  | ╛        |          |
|          | 27        | U            | $\downarrow \rightarrow$ | $\dashv$      | ┼╌╂╴   | <del>- - </del> -      | 1     | <b>-</b>   |            | ╁            | <del>┈╽╶┨</del> ╌╂╾╂╾               | +++  | - }                        | <del>                                     </del> | 128      | $\vdash$        | +-      | ┢  | Н        | _        |  | 7        | _        |
| <u> </u> | 28        | 7            | 4-4                      |               | ++   |                        |       | <u> </u>   | 78         | ╀            |                                     | ╌╂╌╂   | -(3                        | ├─   | 129      | Н               | +       | <del>                                     </del> | Н        | Н        | $\dashv$   | 7        | _        |
|          | 29        | V            | $\perp$                  |               | $\bot$   |                        |       | ┕          | 79         | ╄            |                                     | 1-1-1  | -                          | 1-   | 130      | $\vdash$        | ┿       | ╁╌   | Н        | Н        | $\vdash$   | -        | _        |
|          | 30        | Y            | 1 1                      | _ _           | $\bot$   |                        |       |            | 80         | ↓_           | <del></del>                         | <del>                                     </del> |                            | -  | 131      | ╁┼              | +       | ╁  |          | Н        | $\vdash$   | $\dashv$ | _        |
|          | 31        |              |                          |               | $\bot \bot$                                      | $\bot$                 |       | <u> </u>   | 81         | 1            | ┝╇╃                                 | ╂╌╂╌╂  | –;ેં                       | -  | 132      | ┰               | +       | ⊢  | Н        | $\vdash$ | <del>                                     </del> | -        | _        |
|          | 32        | V            |                          |               |  | 44                     |       |            | 82         | 1            | ┝╇╃                                 | ╁┼┼┼   |                            | <b> </b>   | 132      |                 | +-      | ┼-   | $\vdash$ | $\vdash$ | $\vdash$   |          | _        |
|          | 33        | V            | $\prod$                  |               | $oldsymbol{oldsymbol{\square}}$                  |                        | 14    |            | 83         | 1            |                                     | ++   |                            | <u> </u>   | 133      | ╁               | -       | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash\vdash$                                   |          | _        |
|          | 34        | V            |                          |               |  |                        |       |            | 84         | ┺            |                                     | +++  | -                          | <u> </u>   | 134      | ╁╌┼             |         | +  | 1        |          | $\vdash$   | -        | _        |
|          | 35        | И            |                          | 1             |  |                        |       |            | 85         | 丄            |                                     | +++  | -                          | <b> </b>   | 135      | $\vdash$        |         | <b>├</b>   | $\vdash$ | -        | $\vdash \vdash$                                  | $\dashv$ | _        |
|          | 36        | W            | П                        |               |  | $\mathbf{L}\mathbf{L}$ |       | L          | 86         | L            |                                     | +  |                            | <b> </b>   | 136      | ₩               | +       | $\vdash$   | <b>├</b> | <b>-</b> | $\vdash \vdash$                                  |          | _        |
| $\vdash$ | 37        | 70           | $\top$                   | $\top$        | $\sqcap$   |                        |       |            | 87         | $\mathbf{L}$ |                                     | $\bot \bot \bot$                                 |                            |  | 137      | ⇊               | -       | 1  | ↓_       | ⊢        | $\sqcup$   | $\dashv$ | -        |
| $\vdash$ | 38        | 14           | 17                       |               | 1 +  | 17                     |       |            | 88         | $\Gamma$     |                                     |  | 1                          | <u></u>  | 138      | ₩               | $\perp$ | 1  | ╙        | <u> </u> | Щ  |          | _        |
| -        | 35        | V            | $\top$                   | $\top$        | 11   |                        | 1     |            | 89         | Τ            |                                     |  |                            |  | 139      | $\perp \perp$   | $\perp$ | ┺  | 1_       | <u> </u> | Ш  |          |          |
| -        | 40        | 14           | +                        | 十             | 1  | $\top$                 | 1.    |            | 90         | 1            |                                     |  |                            |  | 140      | $\perp \perp$   | $\perp$ | ┖  | 1_       |          | Ш  | Щ        | _        |
| $\vdash$ | 20        | 17           | ┰                        | $\dashv$      | + +  | ++                     | 100   |            | 91         | Т            |                                     |  | 1                          |  | 141      | $\Box$          |         |  | 丄        | <u> </u> | Ш  | Ш        | <u> </u> |
| -        | 42        | H            | +-1                      | +             | ++   | 1-                     | 102   |            | 92         |              |                                     |  |                            |  | 142      |                 |         | _  | L        | 乚        | Ш  | Ш        | <b>_</b> |
| $\vdash$ | 43        | 甘山           | +                        | +             | +-   | ++                     | 1     |            | 93         |              |                                     |  |                            |  | 143      |                 |         |  |          | Ĺ        | Ш  |          | L        |
| $\vdash$ | 43        | 14           | +                        | -+            | ++   | +-+-                   | -     |            | 94         | T            |                                     |  |                            |  | 144      | $\Box$          |         | Γ  |          |          |  |          | L        |
| <b> </b> |           |              | +                        | +             | ╅┿   | ++                     |       | 1          | 95         |              | <del>┠╸╏╶┩╸╏╶</del> ╋               | 1-1-1  |                            |  | 145      | П               |         | Γ  | Γ        |          |  |          | Ĺ        |
| <u>_</u> | 45        | 14           | 4-4                      | +             | ++-  |                        | - 1   | -          | 96         |              | <del>┠╶╏═╏╶╏</del> ═┼               | <del>-   -</del>                                 |                            |  | 146      | 1 1             | 1-      | Τ  | T        | Г        |  |          | Г        |
| L-       | 46        | 14           | +                        | -             | ++   |                        | 9     | -          | 97         |              | <del>┠┈╽┈╽┈</del> ╂                 | ╌╂╾╁   | -                          |  | 147      | 11              |         | Τ  | T        | Т        | П  |          | Γ        |
| <u> </u> | (4)       | <b>1</b>     | +                        | +             | ┵  | +                      | - i   | -          |            |              | <del>╏╶╏┈┢╼╏╺╋</del> ╸              | +++  | <b>⊣</b> ે,                | -  | 148      | <del>   </del>  | $\top$  | 1  | 1        |          | П  |          | Г        |
|          | 48        | =            | $\bot$                   | $\vdash$      | ++   |                        | -     | -          | 98         |              | <del>╏═╂┈╏═╏┈╏</del> ╴              | +++  |                            | $\vdash$   | 149      | +-+             | +       | +-   | 1        | 1        | Н  | П        | Γ        |
|          | 49        |              | $\perp$                  | oxdot         | ++   | ++                     | 4.75  | -          | 99         |              | <del>┞╶╂</del> ╌╂┈ <del>┠┈╏</del> ╸ | +++  | -(3                        | <u> </u>   | 150      |                 | -+-     | $\vdash$   | 十        | t        | П  | Г        | Г        |
|          | 50        |              |                          |               |  | $\perp \perp$          |       |            | 100        | <u>'L</u>    |                                     |  | :                          |  | 1 100    | للل             | Щ.      | _  |          |          |  | Щ.       | _        |